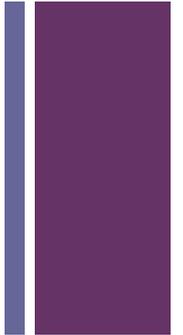




TB Surveillance Overview

Miranda Fanning
TB/HIV/STD Epidemiology and Surveillance
Group Manager

+ Overview

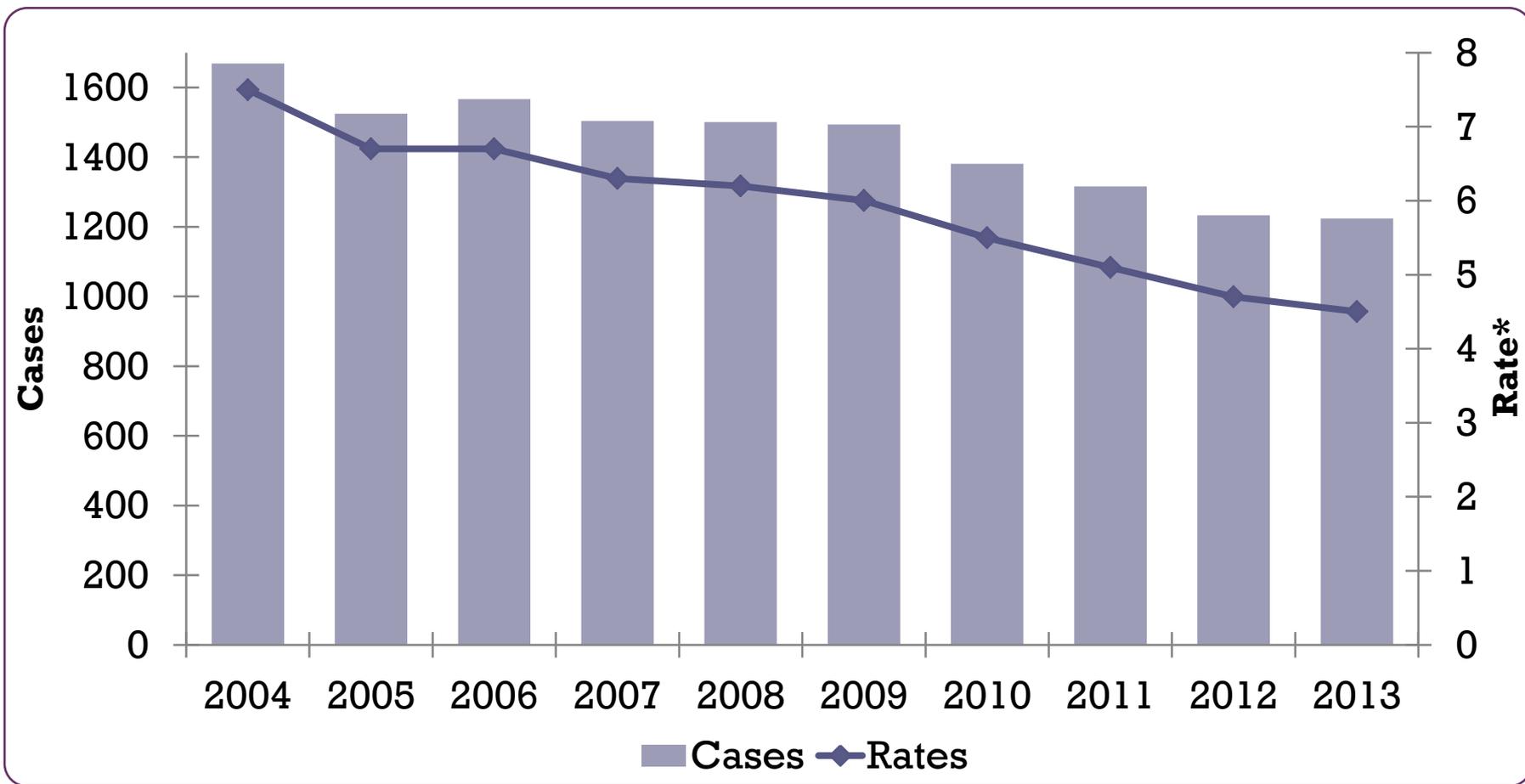


- TB in Texas
- Case Data Collection and Reporting
- Contact Reporting

TB Cases and Incidence Rates*

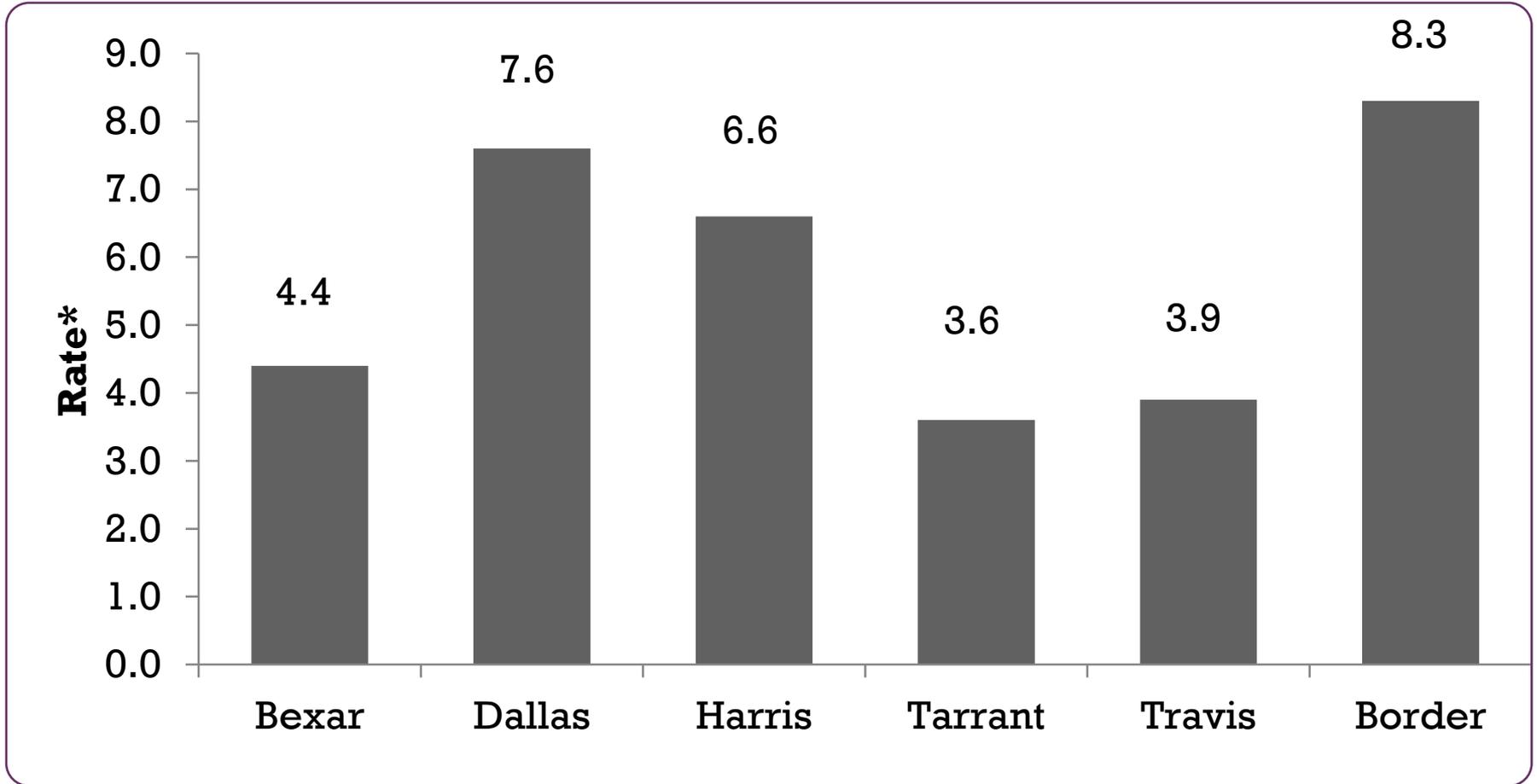
Texas, 2004-2013

Provisional



*Cases per 100,000 population. Population estimates from EHDP VitalNet, current as of 3/21/2014

TB Incidence Rate for Selected Geographic Areas Texas, 2013 Provisional

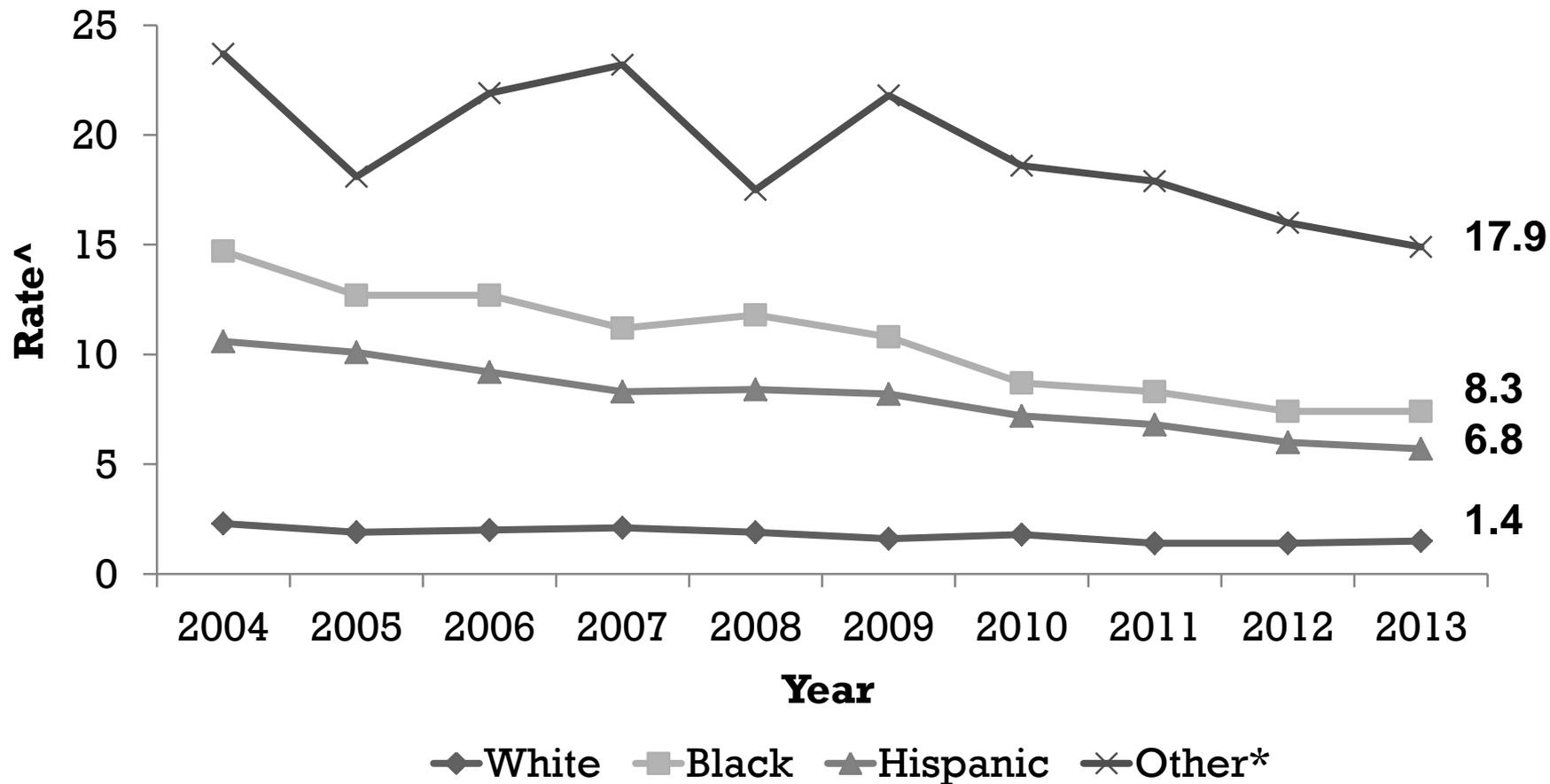


*Cases per 100,000 population. Population estimates from EHDP VitalNet, current as of 3/21/2014

TB Incidence Rates by Race/Ethnic Group

Texas, 2004-2013

Provisional



*Other consists of Asians, Pacific Islanders, Native Hawaiians, American Indians, Alaskan Natives, Multi-Racial

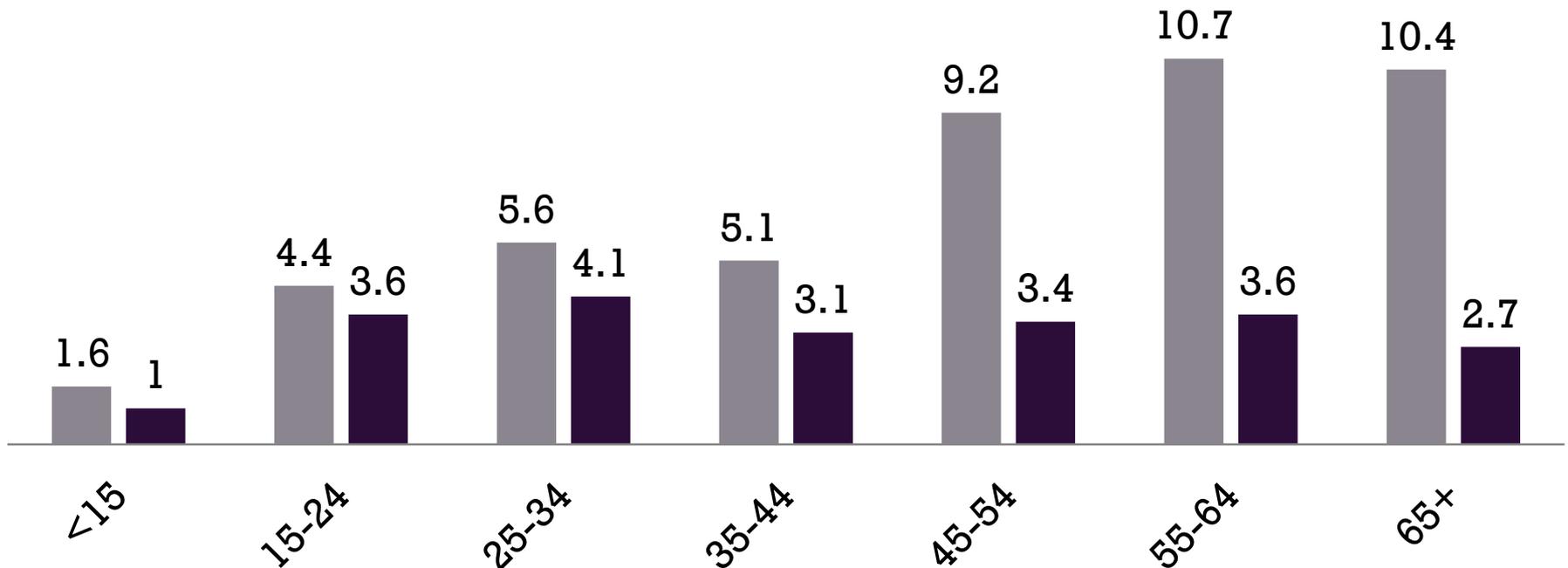
^Cases per 100,000 population. Population estimates from EHDP VitalNet, current as of 3/21/2014

TB Incidence Rate by Age and Gender

Texas, 2013

Provisional

■ Male ■ Female



65% Male, 35% Female

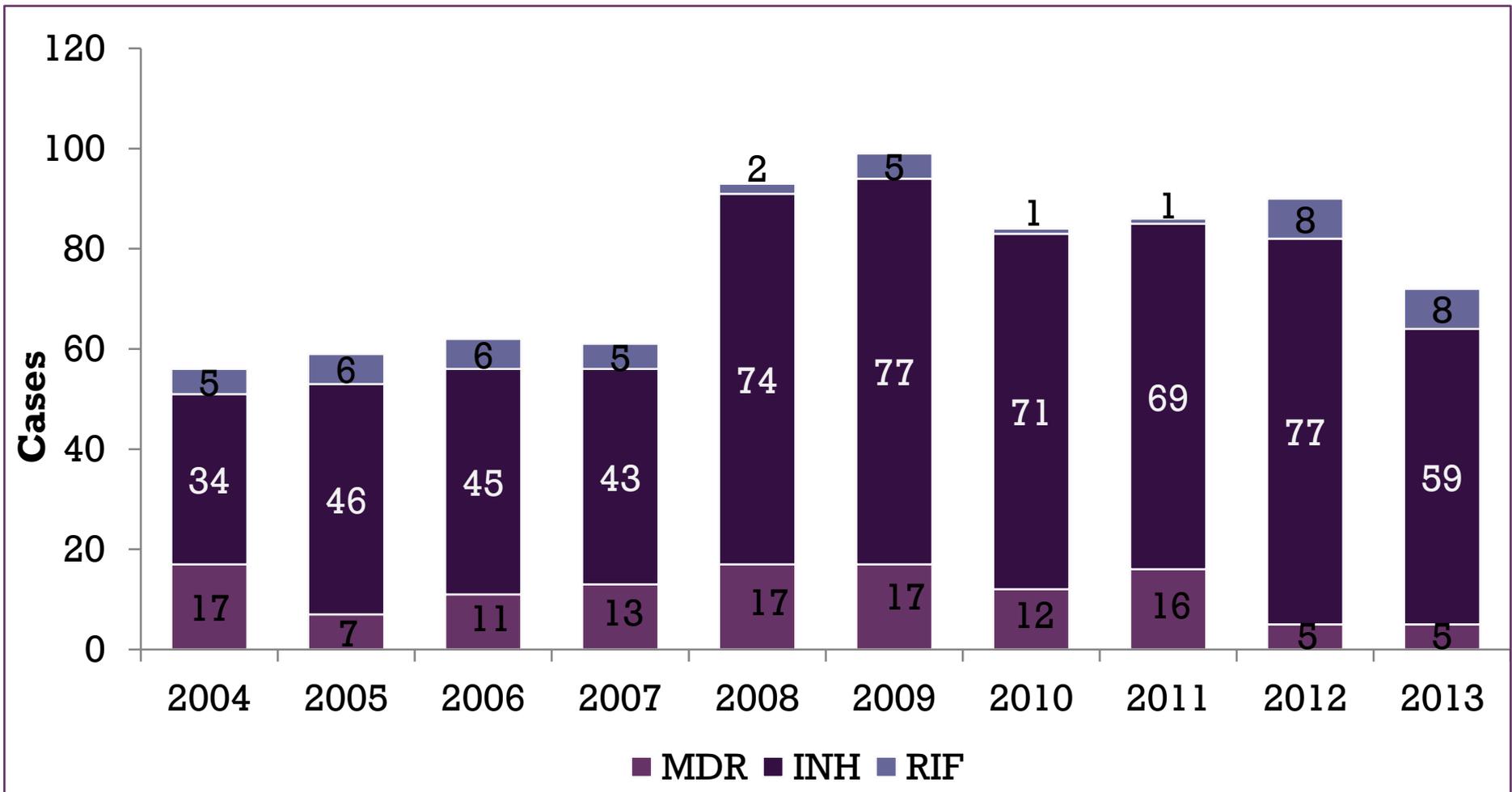
Incidence rate for Males = 5.9, Females = 1.6

*Cases per 100,000 population. Population estimates from EHDP VitalNet, current as of 3/14/2014

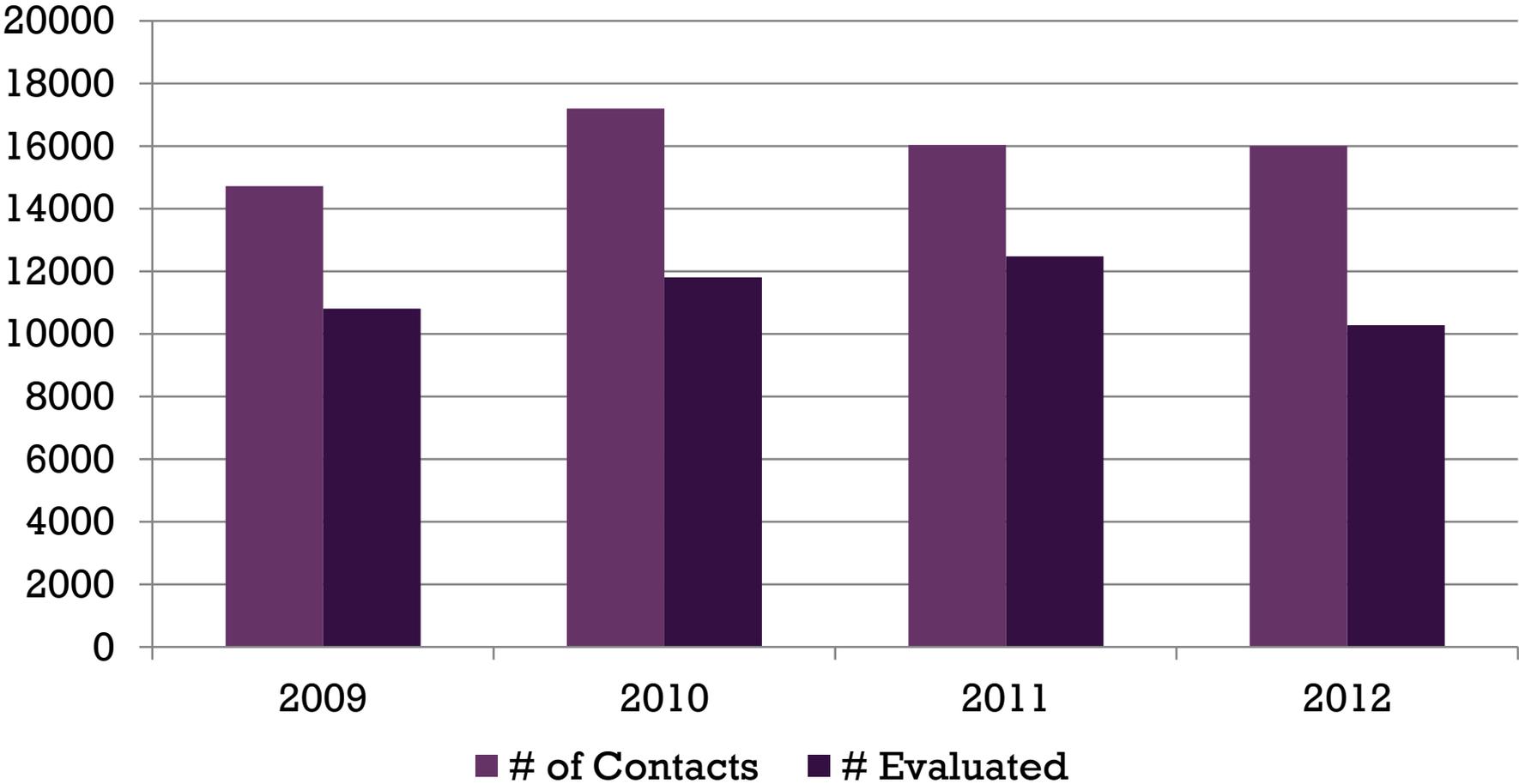
Number of Drug Resistant TB Cases

Texas 2004-2013

Provisional



TB Contact Data





Reporting Cases

+ Case Data Collection and Reporting

Patient information collected on various data collection tools

RVCT Form (official reporting form) completed from data collection tools

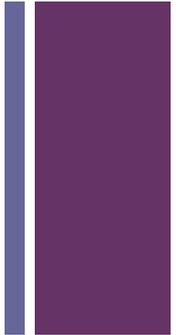
RVCT form sent to Central Office

RVCT Form reviewed, information verified and entered into TB-PAM

Case information transmitted to CDC

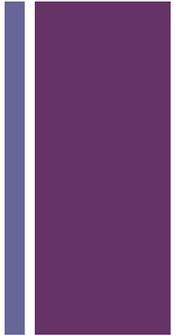
+ Required RVCT Data Elements

1. Complete name
2. Social security number
 1. 999-99-9999 if they have a ssn but is unknown
 2. 000-00-0000 if undocumented immigrant
3. Sex
4. Date of birth
5. Race and ethnicity
6. Country of origin; If non U.S., date of entry into the U.S.
- ...





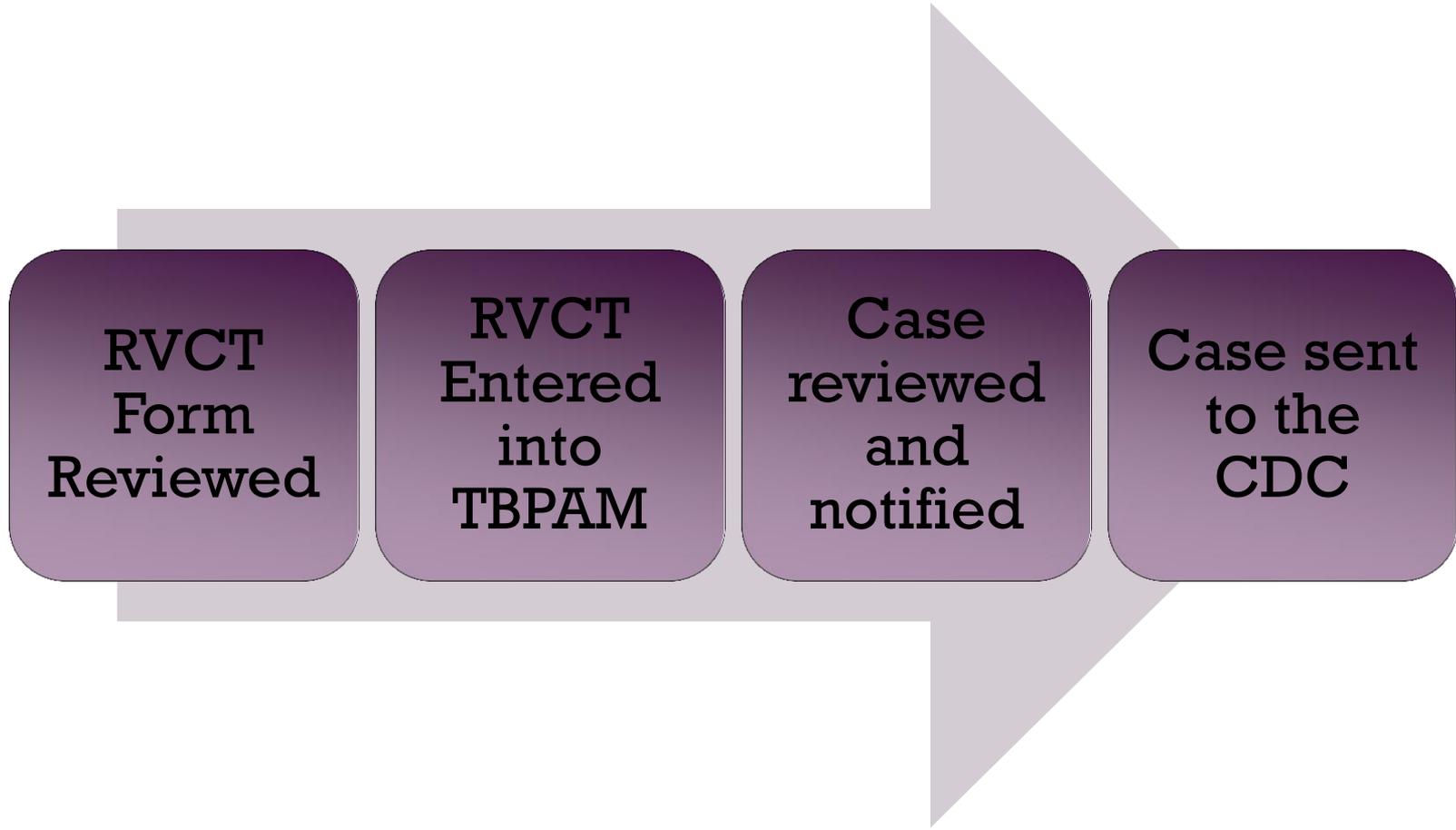
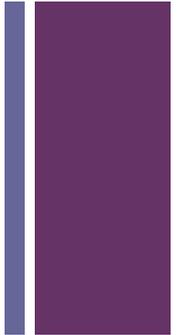
Required RVCT Data Elements



7. Address, city, county, zip-code with 4 digit code and if in or outside city limits; If diagnosed while in a facility or shelter, the name of the facility or shelter (Include address verification)
8. Criteria for confirmed case of TB must be documented on the case verification report.
9. Copy of Non DSHS lab report if case is a lab confirmed case and susceptibilities
10. Criteria for clinical case
11. Criteria for clinical case by provider diagnosis



CDC Case Reporting- Central Office Process



+ CDC Case Reporting

- Daily, case information is transmitted to CDC
- Processed by CDC weekly in NTSS (CDC system)
- Progress toward CDC objectives displayed on NTIP

The screenshot displays the CDC National Tuberculosis Indicators Project (NTIP) website. The header includes the CDC logo and the text "Centers for Disease Control and Prevention Your Online Source for Credible Health Information". A search bar is located in the top right corner. The main navigation bar contains links for Home, Reports, Line List, ARPEs, Help/Resources, Contact Us, and Logout. The page title is "National Tuberculosis Indicators Project Version 3.2.1".

The main content area features a "Texas Indicator Summary 2009 to 2013" section. The data is presented in a table with the following structure:

National TB Program Objectives	2009	2010	2011	2012	2013	National Targets 2015
Completion of Treatment (%)	89.4	85.2	87.8	89.9	69.4	93.0
TB Case Rates (cases/100,000)						
• U.S.-born Persons	3.4	3.0	2.9	2.6	2.5	0.7

The table shows that the completion of treatment for TB in Texas has generally been high, though it dropped significantly in 2013. TB case rates for U.S.-born persons have also been relatively low, with a slight downward trend from 2009 to 2013.

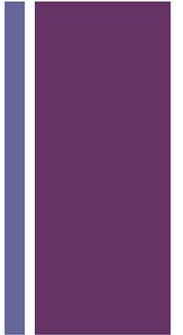
On the right side of the page, there is a "Report List" panel with a "Print" button and a list of reports. The current report is "Current Data Texas Indicator Summary 2013". Below the list is an "Add a report" button.



+ Reporting Contact
Investigations



Contact Data Collection and Reporting



Contact investigation information collected on contact investigation worksheet



TB-340 completed and sent to Central Office



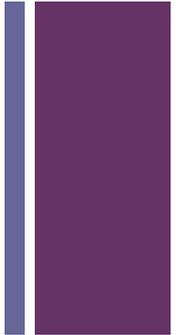
Contact information entered into TB Contacts Database



Annually, aggregate contact data sent to CDC



Minimum Contact Information



- Source Case
- Contact Name and DOB
- Was Contact Evaluated
- ATS Class
- If LTBI:
 - Was treatment started?
 - Was treatment completed?
 - If treatment was not completed, reason not completed



Aggregate Reports For Tuberculosis Program Evaluation

Follow-up and Treatment for Contacts to Tuberculosis Cases

Program Area: Texas [Excludes Houston]

Cohort Year: 2012

Date Report Updated: (Format: MM/DD/YYYY)

Part I. Cases and Contacts

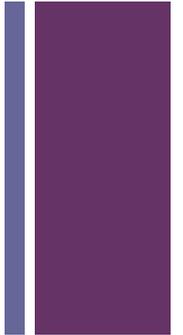
	Types of Cases for Investigation:		
	Sputum Smear +	Sputum Smear - Cult. +	Others
Cases reported in RVCT	<input type="text" value="401"/>	<input type="text" value="192"/>	
Cases for Investigation	<input type="text" value="397"/> (a1)	<input type="text" value="186"/> (a2)	
Cases with No Contacts	<input type="text" value="45"/> (b1)	<input type="text" value="30"/> (b2)	
Number of Contacts	<input type="text" value="9547"/> (c1)	<input type="text" value="3765"/> (c2)	<input type="text" value="2691"/> (c)
Evaluated	<input type="text" value="6446"/> (d1)	<input type="text" value="2182"/> (d2)	<input type="text" value="1648"/> (d)
TB Disease	<input type="text" value="41"/> (e1)	<input type="text" value="6"/> (e2)	<input type="text" value="5"/> (e)
Latent TB Infection	<input type="text" value="1907"/> (f1)	<input type="text" value="549"/> (f2)	<input type="text" value="454"/> (f)
Started Treatment	<input type="text" value="1010"/> (g1)	<input type="text" value="192"/> (g2)	<input type="text" value="259"/> (g)
Completed Treatment	<input type="text" value="277"/> (h1)	<input type="text" value="74"/> (h2)	<input type="text" value="107"/> (h)
Reasons Treatment Not Completed:			
Death	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Contact Moved(follow-up unknown)	<input type="text" value="14"/>	<input type="text" value="0"/>	<input type="text" value="4"/>
Active TB Developed	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="0"/>
Adverse Effect of Medicine	<input type="text" value="18"/>	<input type="text" value="0"/>	<input type="text" value="4"/>
Contact Chose to Stop	<input type="text" value="86"/>	<input type="text" value="15"/>	<input type="text" value="29"/>
Contact is Lost to Follow-up	<input type="text" value="84"/>	<input type="text" value="12"/>	<input type="text" value="14"/>
Provider Decision	<input type="text" value="21"/>	<input type="text" value="3"/>	<input type="text" value="6"/>

Part II. Evaluation Indices

No-Contacts Rate	<input type="text" value="11.3"/> (b1/a1),%	<input type="text" value="16.1"/> (b2/a2),%	
Contacts Per Case	<input type="text" value="24.0"/> (c1/a1)	<input type="text" value="20.2"/> (c2/a2)	
Evaluation Rate	<input type="text" value="67.5"/> (d1/c1),%	<input type="text" value="57.9"/> (d2/c2),%	<input type="text" value="61.2"/> (d/c),%
Disease Rate	<input type="text" value="0.6"/> (e1/d1),%	<input type="text" value="0.3"/> (e2/d2),%	<input type="text" value="0.3"/> (e/d),%
Latent Infection Rate	<input type="text" value="29.6"/> (f1/d1),%	<input type="text" value="25.2"/> (f2/d2),%	<input type="text" value="27.5"/> (f/d),%
Treatment Rate	<input type="text" value="52.9"/> (g1/f1),%	<input type="text" value="34.9"/> (g2/f2),%	<input type="text" value="57.0"/> (g/f),%
Completion Rate	<input type="text" value="27.4"/> (h1/g1),%	<input type="text" value="38.5"/> (h2/g2),%	<input type="text" value="41.3"/> (h/g),%



How Reported Information is used



- Identify changes in TB infection in Texas
- Provide information to media, research groups, legislative inquiries, DSHS executives
- Guide program decisions
- **Determine Funding**

+ Questions

